PANOO

The Multiviewer for Newsrooms & Signage

Panoo offers a unique blend of flexibility and power, allowing users to customize their viewing experience to specific needs. With the ability to handle a variety of sources and layouts, Panoo provides a sophisticated level of content control.

PANOO

for editors and staff
in program monitoring

Use Panoo for editorial program monitoring on the desk of every editor. Benefit from the following features:

- Vast selection of content sources: IPTV, web, NDI, MS365, static, slide shows and rotating playlists
- More than 40 practical prefab presentation layouts: Horizontal and vertical, HD and 4k, borderless and framed
- Individual layouts are possible
- Ready for Elgato Stream Deck for control room feeling
- Low learning curve for end users
- Proven platform among leading newscasters

PANOO

Beyond the newsroom: Panoo for digital signage

Use Panoo for display of your corporate communication content, digital way finding and internal building information.

Panoo is the versatile tool for managing your digital signage requirements.

- Control all your information displays from one central stop
- Entry edition hardware for a limited number of sources available
- Content planning with calendar functionality
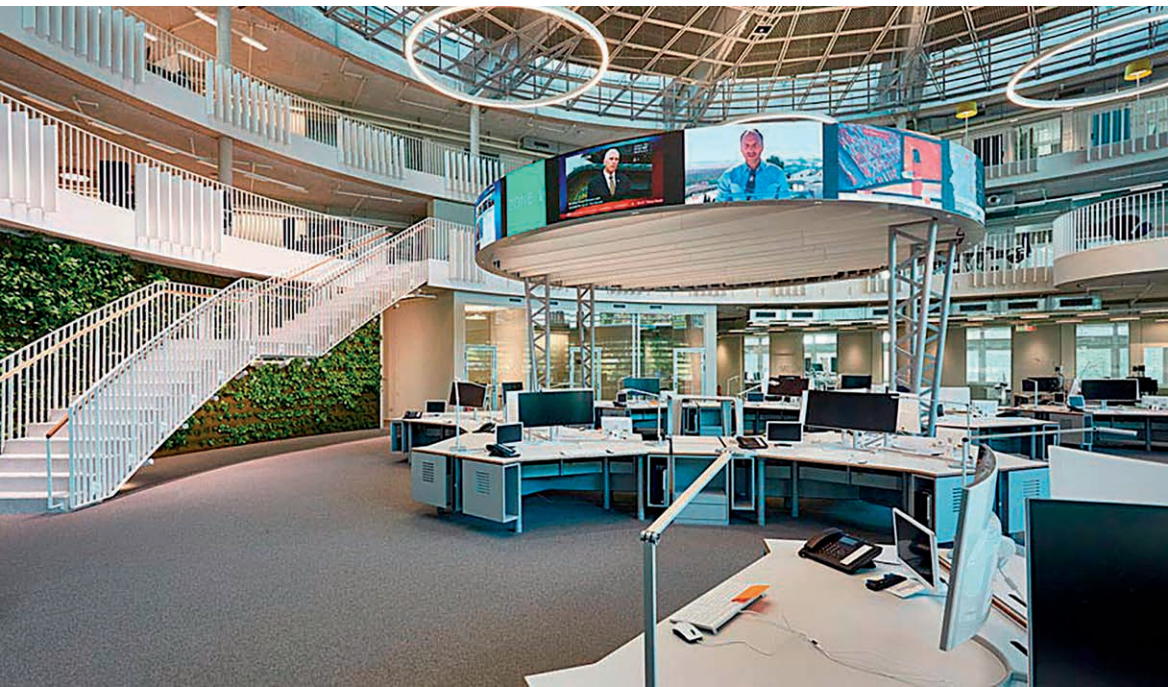- Display your content on single screens or groups of displays

PANOO

250 IPTV multiviewers for ARD-aktuell

ARD-aktuell's new newsroom opened in November 2019. In order to work in a future-oriented cross-media and networked manner, the entire infrastructure was redesigned and the TV coverage in the newsroom was also converted to IP.

In cooperation with ARD-aktuell, 4=1 developed the multiview set-top box Panoo, which revolutionises editorial program monitoring at the workplace: every editor can individually compile his or her program from a variety of sources (IPTV, web streams and websites) directly on the spot.

As of today, more than 250 newsroom workstations are equipped with PanooBoxes.

PANOO

Panoo at Austrian Broadcasting Corporation (ORF) in Vienna

In time for the opening in June 2022, the new ORF newsroom on the Küniglberg in Vienna was equipped with more than 60 PanooBoxes.

ORF was looking for a multiviewer solution that would allow colleagues to control the screen layout and channel switching from their workstations.

Beyond the classic editorial multiview application, ORF – like other Panoo customers – uses the flexibility of the system for signage applications and internal communication.

For example, the ORF intranet information page, public transport departure times, the ORF LIVE timeline and various social media usage statistics are displayed with PanooBoxes.

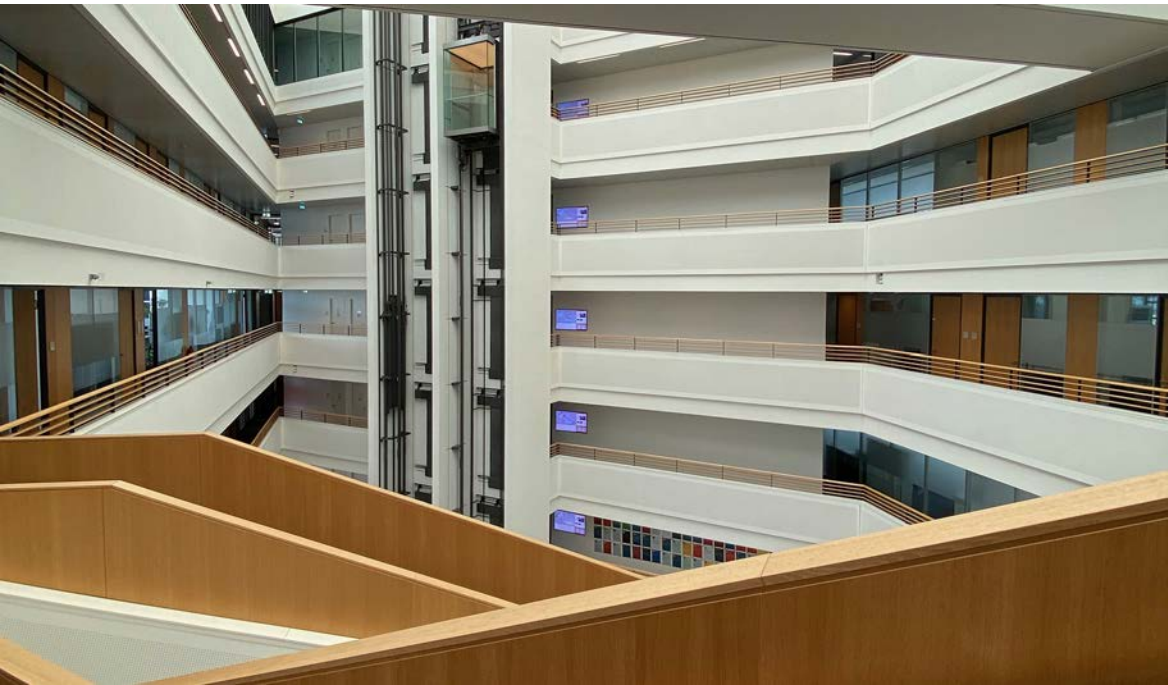PanooCentral feature requests from the ORF team were implemented promptly.

PANOO

PanooBoxes on all levels at SPIEGEL in Hamburg

When the SPIEGEL Group became aware of Panoo, our collaboration initially focused on its traditional use as a multiviewer in the digital newsroom.

The ability to adapt to individual customer requirements with regard to the content and layouts to be displayed aroused the curiosity of the IT department at SPIEGEL in Hamburg.

A PanooBox at each elevator entry now provides information on the presence and occupancy of the respective floor. In addition, intranet news is announced on the Panoo screens and the home-pages of SPIEGEL.de and manager magazin are displayed.

In the entrance area of the SPIEGEL canteen, a digital menu informs employees in detail about the daily meals with the help of a PanooBox.

PANOO

Spin your Canon with Panoo

Task: Canon's professional Pan-Tilt-Zoom cameras (https://www.canon.de/ptz-cameras/) deliver excellent video quality and are fully controllable. With support from Canon Europe, a proof-of-concept implementation was designed to demons-trate that both display and interactive control can be integrated into a single device using Panoo.

Result: An interactive Panoo layout for touchscreen presents camera signals (NDI and RTSP) and allows control of the cameras via on-screen buttons. The camera's API can easily be accessed via HTTP to adjust various camera settings and interactively control the cameras. The implementation includes calling camera presets and enabling/disabling the auto-tracking function. "Spin your Canon with Panoo!" is now possible.

PANOO CREATE

Design and distribute your Content

PanooCreate opens up extensive possibilities for Panoo users in corporate communications who require instant distribution of signage content across the entire fleet of PanooBoxes.

The system's administration features simplify the process of content organization, making it easy to manage and display information. Its intuitive design ensures ease of use, making Panoo an ideal choice for both users and administrators.
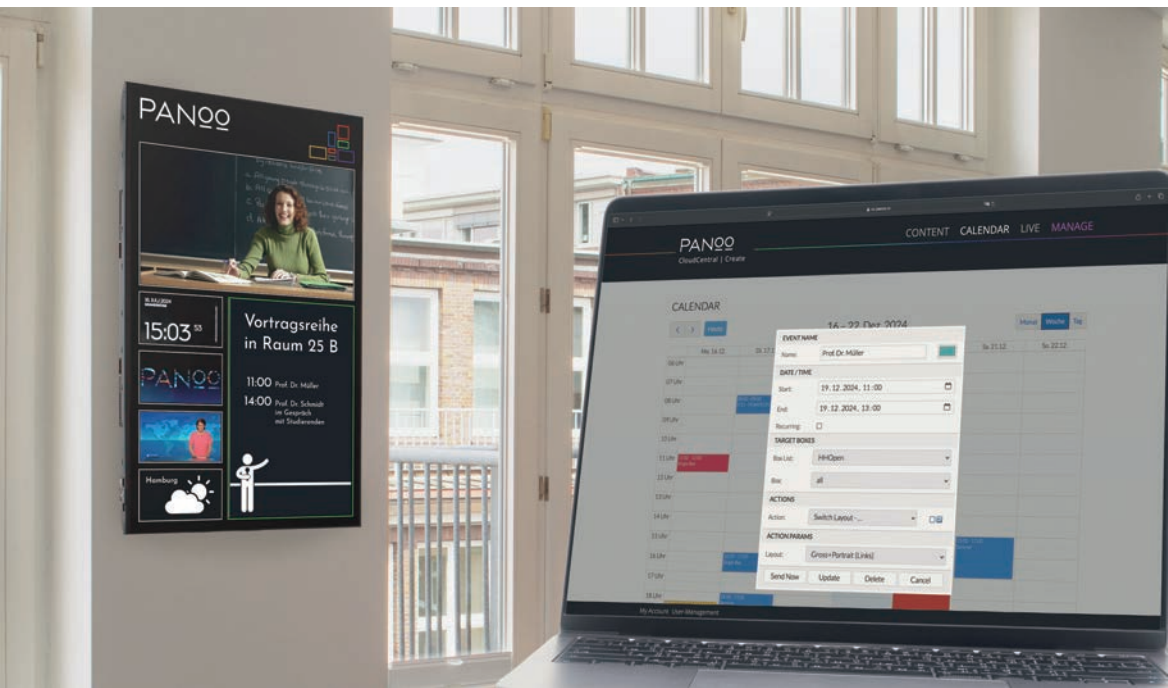
PANOO CREATE

Schedule channels & boxes
with the Calendar

Enhance your in-house communication with PanooCreate's calendar options. You can precisely schedule content to be displayed on your PanooBoxes, ensuring the right message reaches the right audience at the perfect time. The ability to manage multiple content streams simultaneously makes it easy to tailor messages to different locations or departments.

By scheduling operational hours and controlling device usage, the system reduces unnecessary power consumption, aligning with sustainability goals and lowering energy costs.
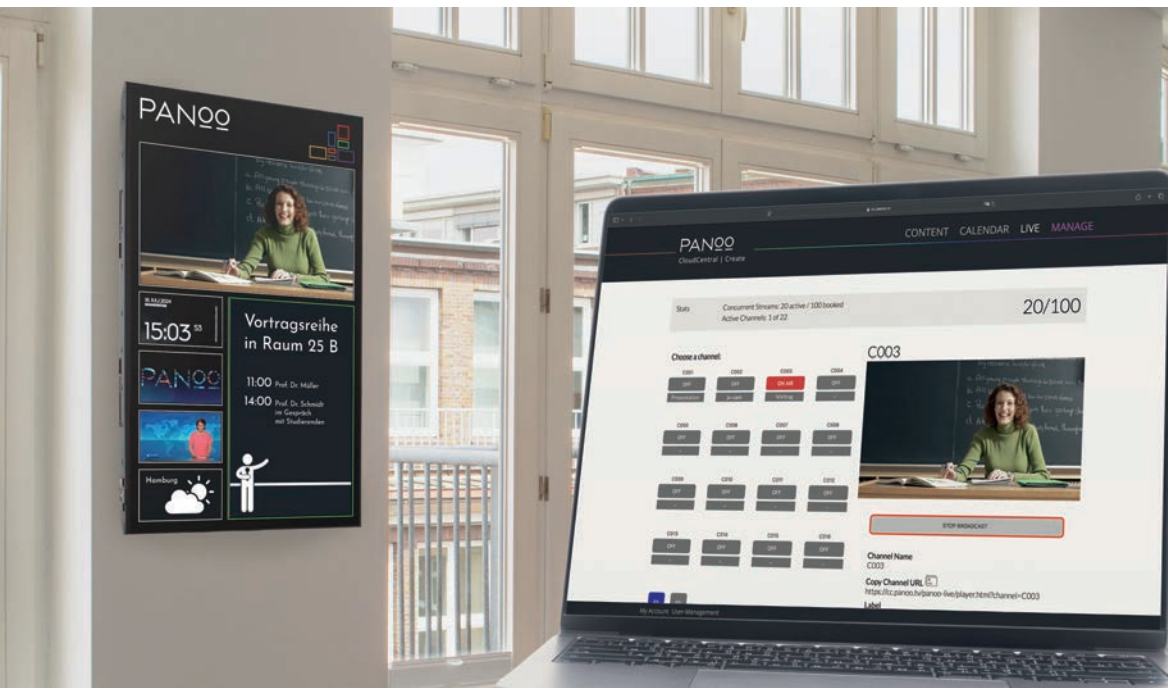
PANOO CREATE

Show screen contents or camera streams via Live

With PanooLive WebRTC, you can share any window on your desktop or a camera signal with the panoo audience, just like you would in a video conference.

This feature enables you to create channels to securely share protected contents such as intranet dashboards, server status screens, or internal apps. And it is the most spontaneous way to deliver content to Panoo Boxes in your network: simply share the live stream of this press conference via Live and let your colleagues watch it on their Panoo screens.

PANOO

Why people love Panoo

» Panoo is well-designed and can be used by everybody within a very short time. «

» Panoo frees editorial workstations from the cabling of traditional TVs and the error-proneness of classic infrared remote controls. «

» Individual setups for every editor – specific to monitoring needs. «

»We don't think content monitoring without Panoo anymore.«

Panoo is in use at the following customers:

manager magazin

ORF

NDR ①

tages**schau**

DER SPIEGEL

MIAMI **Dolphins**

ATV

ProSiebenSat.1
Media SE

phoenix

PANOO

In a nutshell

PanooBox

The heart of the Panoo system is powered by standard hardware and a Yocto based embedded Linux system for secure and smooth operation. The PanooBox can show up to 16 channels at the same time, which can be put together individually using IPTV and web streams, website channels, NDI sources and more.

PanooRemote

PanooRemote is a desktop application to control the PanooBoxes. It manages individual program favourites and offers centrally managed layouts and program lists. PanooRemote replaces IR-remotes to avoid unwanted program changes in open workspaces and multi-monitor environments. Available for Windows, MacOS and Linux.

PanooCentral

The web based tool to simplify the process of content organization makes it easy to manage and display information among a vast amount of installed boxes and displays. PanooCentral puts all channels, layouts, boxes and users at the fingertips of the administrator. The application also manages bulk updates and status information of your Panoo fleet. Available on-premise and cloud-based.

PanooCreate

PanooCreate is the toolset for content creators and publishers allowing you to tailor your contents for display on PanooBoxes, schedule display times and box operations and stream live video from your desktop, server machine or camera.

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Get in touch

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